

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Norwalk Substation

Date: July 19, 2006

Inspector: Lee Curtis

Location: Norwalk Substation Expansion

Storm/

Rain Event: Between 0.13-0.53" of rain was recorded on 7/18 with possible localized totals over 1" as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater-sedimentation of roadway sand is occurring here. 12/22-7/19/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-7/19/06.	-N/A.
Foundation construction	-The only remaining work involves electrical testing. 7/19/06. -The 345kV turning structure continues to show signs of erosion at its base due to the recent storms and river flow. 6/14-7/19/06	- None at this time. Little to no soil disturbing work is occurring. 5/17-7/19/06. -Although this foundation continues far below ground, the erosion should be evaluated to prevent future problems. 6/14-7/19/06	-N/A - Needs evaluation
Erosion and Sediment Controls	- Erosion on the slope of the river appears to be forming again. 6/28-7/19/06 Evaluate erosion at the 345kV turning structure. - Stone was placed around the inlet on site in an effort to filter run-off. 6/20-7/19/05	- Continue to monitor and attempt to make the area more natural/ vegetated if feasible. 5/25-7/19/06. - Continue to monitor to determine if this control works to reduce turbidity to the river. 7/19/06	-N/A -N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
Inland Wetland and Watercourse encroachment and mitigation	- Vegetation continues to grow well along the original overflow channel as well as in the landscaped area near the GIS building. 7/19/06.	- None at this time. 7/19/06.	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-The riverbank to the north of site could use some vegetative growth. 5/17-7/19/06	- None at this time. Continue to monitor and consider adding seed if feasible. This is likely overhead jurisdiction. 5/17-7/19/06	-N/A
Dewatering	-Construction dewatering should no longer be occurring on site. 7/19/06.	-None at this time. 7/19/06.	-N/A.
Blasting	- Not applicable	- None at this time.	-N/A
Spills and Material Storage	- Most heavy equipment is removed from the site. 7/19/06.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations	-This site may be able to be removed from the inspection route in the near future. 7/19/06		

Plumtree Substation

Date: July 19, 2006

Inspector: Diana Walden

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Between 0.13-0.53" of rain was recorded on 7/18 with possible localized totals over 1" as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	<ul style="list-style-type: none"> - Work has returned to the substation so the drive is again in use for this equipment. 7/19/06. -Turbid water had been noted in the wetland swales adjacent to the access road. Some sediment was noted as well. 7/5-7/19/06 	<ul style="list-style-type: none"> - None at this time. 7/19/06. - This is likely a pre-existing condition and not directly related to the expansion work. However if the road can be further stabilized, this may help the situation. 7/19/06 	<ul style="list-style-type: none"> -N/A. - Needs evaluation
Foundation construction	<ul style="list-style-type: none"> - Some site work was ongoing at the time of inspection. 7/19/06. 	<ul style="list-style-type: none"> - Remain aware the perimeter of the yard is surrounded by wetlands. See erosion control section. 3/15-7/19/06. 	<ul style="list-style-type: none"> -N/A at this time.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The site has been graded on an even level to the perimeter stone berm towards the rear of the site. 7/19/06 -A few stockpiles remain but are contained internal to the site. The rear of the site was graded and placed with stone. 7/19/06. 	<ul style="list-style-type: none"> - The berm must remain maintained as sediment control. It may need to be built up with stone in order to filter effectively. 7/19/06 -Continue to monitor. 7/19/06. 	<ul style="list-style-type: none"> - Needs attention -N/A
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - Wetlands are located around the outskirts of the substation yard. 7/19/06 	<ul style="list-style-type: none"> - Maintain perimeter berm. Vegetation adjacent to the yard is thick and helps filter run-off. 7/19/06. 	<ul style="list-style-type: none"> N/A.
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - The wood turtle was seen along the outside perimeter of the station the week of 5/25/06. 	<ul style="list-style-type: none"> - Move machinery carefully and perform daily walkdowns of the site. Continue to watch carefully for the turtle. 5/25-7/19/06. 	<ul style="list-style-type: none"> -Daily walkdowns should be occurring at this point with crews remaining aware of machinery.
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - No vegetation outside of the substation yard will need to be cleared during the expansion work. 	<ul style="list-style-type: none"> - N/A 	<ul style="list-style-type: none"> -N/A
	<ul style="list-style-type: none"> - Active dewatering was 	<ul style="list-style-type: none"> - When necessary, utilize 	<ul style="list-style-type: none"> -N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	not observed at the inspection but the site is still muddy following the rains. 7/19/06.	other methods of controlling dewatering without letting unfiltered water off-site. 7/19/06	
Blasting	- No blasting is occurring on site at this time.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were noted. Now that machinery has returned, continue to monitor. 7/19/06 - Some site clean-up was noted. 6/20-7/19/06	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations			

Next likely scheduled inspection:

Wednesday, July 26, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



Norwalk Substation: Photo on the left shows the vegetative cover at the hydroseeded and landscaped area near the GIS building. Plumtree Substation: Photo on the right shows an overview of the yard including the recently constructed work. 7/19/06



Photo on the left shows where soil within the

yard was graded at an even level with the perimeter stone berm. The berm may need to be built higher to filter run-off effectively. Photo on the right shows the graded area at the rear of the site where the settling basin used to be. 7/19/06